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?..VI MAX

1/1 MPIL - (C) Thomson Derwent

AN - 1975-82409M 1501

TI - 1,1-Difluoroethane prepn. - by reacting dichloroethane with hydrogen fluoride in presence of antimony pentachloride

DC - E16

PA - (CENG ) CENTRAL GLASS CO LTD

NP - 1

MC - 1

PN - JP50106904 A 19750822 DM1975-50 \*

PR - 1974JP-0014073 19740205

IC - B01J-000/00 C07C-000/00

AB - JP50106904 A

7-11

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152a 57 MeCHF<sub>2</sub>(I) was prepd. by liq. phase reaction of MeCHCl<sub>2</sub>(II) with HF at ordinary pressure and -10 degrees to 15 degrees in the presence of SbCl<sub>5</sub> (catalyst). In an example, 45 g/hr. (II) and 1 mole/hr. anhyd. HF were mixed with 130 ml. anhyd. HF and 19.5g SbCl<sub>5</sub> 2 hr. at -5 degrees and the mixt. was left to react for 30 min. to give a prod. contg. (II) 3.8, MeCHClF 3.8, and (I) 79.6%.

MC - CFI: E10-H02B

UP - 1975-50